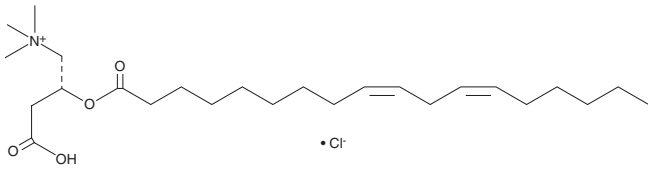
PRODUCT INFORMATION

Linoleoyl-L-carnitine (chloride)

Item No. 26560

CAS Registry No.: 173686-75-4
Formal Name: [R-(Z,Z)]-3-carboxy-N,N,N-trimethyl-2-[(1-oxo-9,12-octadecadienyl)oxy]-1-propanaminium, monochloride
Synonyms: C18:2 Carnitine, L-Linoleoylcarnitine
MF: $C_{25}H_{46}NO_4 \bullet Cl$
FW: 460.1
Purity: ≥98%
Supplied as: A solid
Storage: -20°C
Stability: ≥2 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

Linoleoyl-L-carnitine (chloride) is supplied as a solid. A stock solution may be made by dissolving the linoleoyl-L-carnitine (chloride) in the solvent of choice. Linoleoyl-L-carnitine (chloride) is soluble in organic solvents such as ethanol, DMSO, and dimethyl formamide (DMF), which should be purged with an inert gas. The solubility of linoleoyl-L-carnitine (chloride) in ethanol and DMF is approximately 20 mg/ml and approximately 15 mg/ml in DMSO.

Description

Linoleoyl-L-carnitine is a naturally occurring long-chain acylcarnitine.[1] Hepatic levels of linoleoyl-L-carnitine are increased following high-dose (200 mg/kg) administration of isoniazid (Item No. 20378) in mice.

Reference

1. Li, F., Wang, P., Liu, K., *et al.* A high dose of isoniazid disturbs endobiotic homeostasis in mouse liver. *Drug Metab. Dispos.* **44(11)**, 1742-1751 (2016).

WARNING
THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA
This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent *via* email to your institution.

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